



Solving environment-related business problems worldwide

www.deltaenv.com

27141 Aliso Creek Road • Suite 270
Aliso Viejo, California 92656 USA

949.362.3077 800.477.7411
Fax 949.362.0290

March 9, 2005

Ms. Lisa Holst, R.E.H.S.
Environmental Health Specialist
County of San Bernardino Fire Department
Hazardous Materials Division
620 South E Street
San Bernardino, California 92415

Sent by UPS

Subject: Well Destruction Report
ARCO Facility No. 6144
1240 Washington Street
Colton, California

Dear Ms. Holst:

On behalf of Atlantic Richfield Company (ARCO), Delta Environmental Consultants, Inc. (Delta) has prepared this *Well Destruction Report* detailing the destruction of groundwater monitoring wells BH-5, BH-6, BH-7, BH-8, and B-11/MW-1 at ARCO Facility No. 6144 located at 1240 Washington Street in the city of Colton, California (the Site). The wells were destroyed following receipt of case closure from the San Bernardino County Fire Department (SBCFD) in a letter to Atlantic Richfield Company dated December 21, 2004. A copy of the letter from the SBCFD is attached.

SITE DESCRIPTION

ARCO Facility No. 6144 is an active gasoline service station and AM/PM Mini-Mart located on the southern corner of the intersection of Washington Street and Bluff Road in Colton, San Bernardino County, California. The Site consists of an AM/PM Mini-Mart building, four dispenser islands under a canopy, three fuel underground storage tanks (USTs), and parking and planter areas (Figure 1). Properties adjacent to the Site and in the immediate vicinity are primarily commercial.

GEOLOGY

The Site is located along the northern base of the east Riverside Mesa, an uplifted Pleistocene alluvial fan truncated by entrenchment of the Santa Ana River, and is underlain by Holocene and Pleistocene alluvial deposits. The alluvium is a heterogeneous mixture of coarse gravels, sand, and clay to a depth of approximately 35 feet below ground surface (bgs) (CDMG, 1966). Geology encountered during the most recent investigation was consistent with this general sequence to 35 feet bgs and consisted of sandy gravel, medium- to coarse-

A member of:



grained sand, and gravelly sand from 35 feet bgs to the total depth explored (75 feet bgs). The Santa Ana River is located approximately 3,750 feet northwest of the Site.

HYDROGEOLOGY

The Site is located in the eastern portion of the Colton Groundwater Basin. Just north of the Site is the San Jacinto fault, which divides this basin from the Bunker Hill Groundwater Basin to the northeast. Based on regional topography, groundwater is anticipated to flow south-southwest (RWQCB, 1995). Depth to water at the Site was measured to be 73.89 feet bgs on July 16, 2004.

FIELD ACTIVITIES

On March 1, 2005, Delta was on site to supervise the destruction of groundwater monitoring wells BH-5, BH-6, BH-7, BH-8, and B-11/MW-1. Additional wells from previous investigations were not observed at the Site. Cascade Drilling, Inc. (License No. C57-717510) was contracted to provide the equipment and personnel required to complete the field activities. Prior to initiating field activities, five well destruction permits were obtained from the San Bernardino County Department of Public Health and Underground Service Alert was notified. Copies of the well destruction permits are attached.

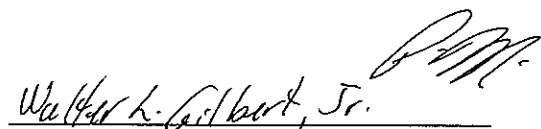
Groundwater monitoring wells BH-5, BH-6, BH-7, BH-8, and B-11/MW-1 were pressure grouted and the top five feet of each well was overdrilled to remove the top of the well casing. The top five feet of each boring was then backfilled with bentonite chips and capped with concrete to match the existing ground surface.

Construction debris generated during the well destruction activities was contained in two 55-gallon metal drums. Belshire Environmental Services, Inc. removed the drums from the Site on March 3, 2005, and disposed of the material as non-hazardous construction material.

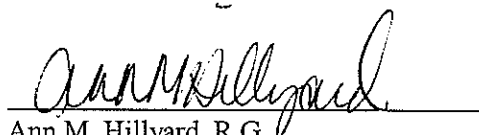
If you have any questions regarding this letter, please contact Ann Hillyard at (949) 860-0203.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.


Walter L. Gilbert, Jr.

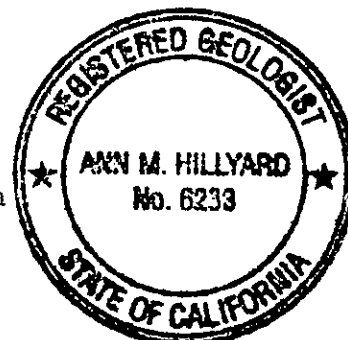
Staff Geologist


Ann M. Hillyard, R.G.

Project Manager
California Registered Geologist No. 6233

Attachments: Figure 1 - Site Map
SBCFD letter to ARCO dated December 21, 2004
Well Destruction Permits

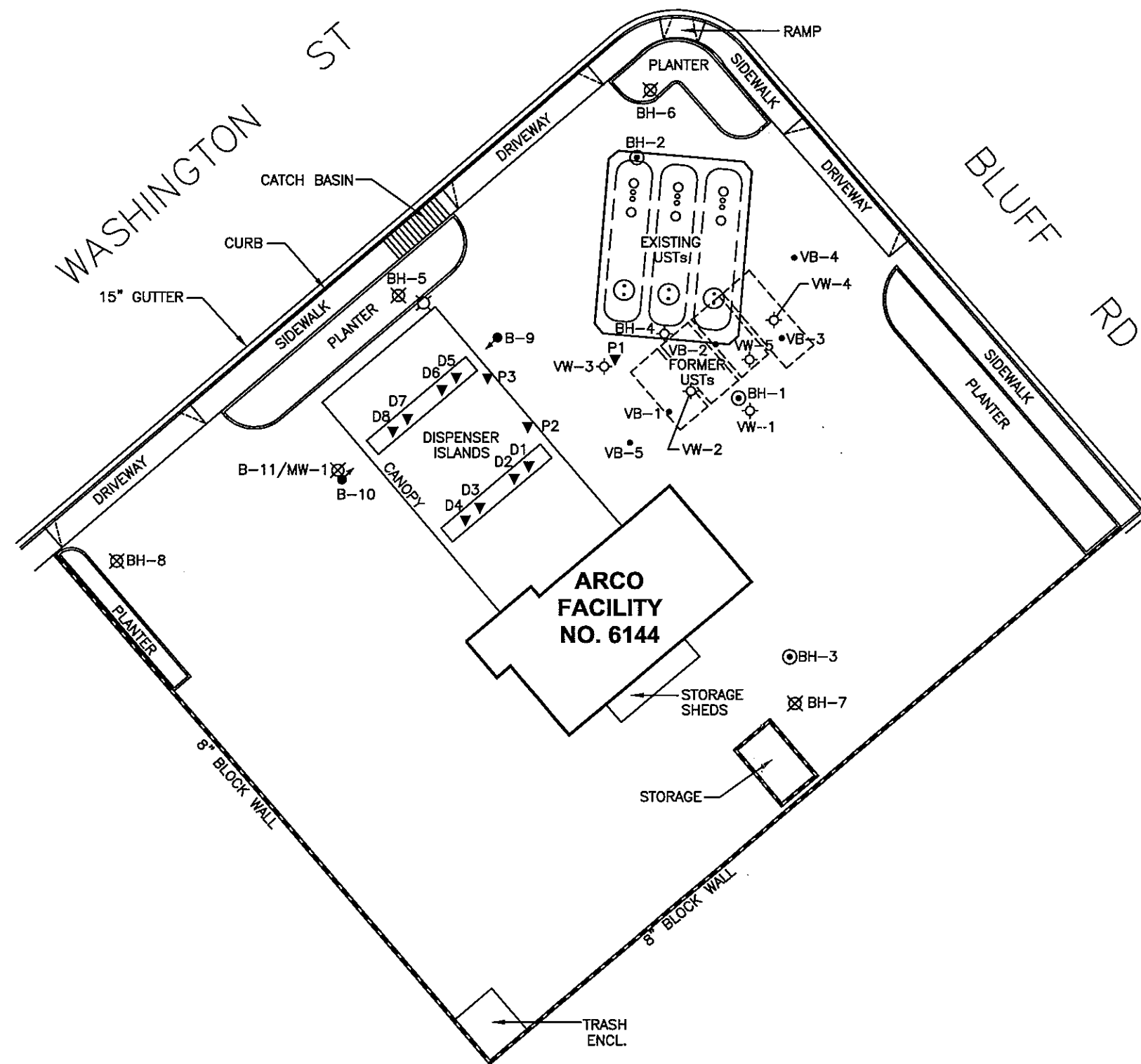
cc: Mr. Gordon Terhune, Atlantic Richfield Company, La Palma, California



REFERENCES

California Division of Mines and Geology (CDMG), 1966, Geologic Map of California- Santa Ana Sheet, Scale 1:250,000.

California Regional Water Quality Control Board (RWQCB), 1995, Water Quality Control Plan, Santa Ana River Basin, January 25, 1995.



LEGEND

- BH-8 ☒ DESTROYED WELL LOCATION
- ☒ EMPTY WELL BOX LOCATION
- B-10 ● ANGLED SOIL BORING LOCATION
- D8 ▼ DISPENSER SOIL SAMPLE LOCATION
- P3 ▼ PIPELINE SOIL SAMPLE LOCATION
- BH-1 ⊙ EXPLORATORY SOIL BORING LOCATION (SDA, 1989)
- BH-4 ⊕ DESTROYED WELL LOCATION (SDA, 1989 & 1990)
- VB-1 • EXPLORATORY SOIL BORING LOCATION (SECOR 1993)

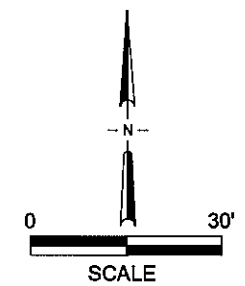


FIGURE 1
SITE MAP
ARCO FACILITY NO. 6144
1240 WASHINGTON STREET
COLTON, CA.

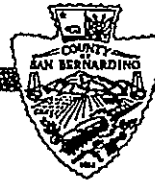
PROJECT NO. GOBCT	DRAWN BY K. MARTIN	A	B	C	SM	MW	SS	SS1
FILE NO. A0-795-03	PREPARED BY W. GILBERT							
DATE 09 MAR 05	REV.	REVIEWED BY						



DEC 27 2004

COUNTY FIRE DEPARTMENT

OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 South "E" Street • San Bernardino, CA 92415-0153
(909) 386-8401 • Fax (909) 386-8460



COUNTY OF SAN BERNARDINO
ECONOMIC DEVELOPMENT
AND PUBLIC SERVICES GROUP

PETER R. HILLS
Fire Chief
County Fire Warden

December 21, 2004

ATLANTIC RICHFIELD COMPANY
4 CENTERPOINTE DRIVE, LPR4-171
LA PALMA, CA 90623-1066

SITE #2002014

Ann

ATTENTION: GORDON TERHUNE

SUBJECT: ABANDONMENT OF VAPOR EXTRACTION WELLS
ARCO STATION #6144 1240 WASHINGTON STREET,
COLTON, CALIFORNIA

Case closure concurrence has been received from the Santa Ana Regional Water Quality Control Board, and Landowner Notification requirements have been fulfilled. Department staff is prepared to issue the Remedial Action Completion Certification letter (final closure letter) as soon as we receive documentation that groundwater monitoring wells MW-1, BH-5, BH-6, BH-7 and BH-8 have been properly abandoned. Please conduct a site walk to verify that no other vapor extraction or groundwater monitoring wells remain on site from previous investigation/remediation activity conducted by others.

- You may contact the Safe Drinking Water Program at (909) 387-4666 for well abandonment requirements and permits.
- Please notify the Department 5 working days in advance of well abandonment activity so a Department representative may be scheduled to be present.
- Please submit a report of well abandonment by **February 21, 2005**.

If you have any questions, please call me at (909) 386-8419.

Lisa Holst

LISA HOLST, R.E.H.S.
ENVIRONMENTAL HEALTH SPECIALIST II
HAZARDOUS MATERIALS DIVISION
SITE REMEDIATION/LOCAL OVERSIGHT PROGRAM

cc: Valerie Jahn, Santa Ana Regional Water Quality Control Board
Ann Hillyard, R.G., Delta Environmental Consultants, Inc.

MARK H. SPIKE
County Administrative Officer
NORMAN L. HANCOCK
Assistant County Administrator
Economic Development and
Public Services Group

Board of Supervisors
BILL POSTHUM First District DENNIS HANSENBERGER Third District
PAUL BLANE Second District GATTI AGUIAR Fourth District
CLIFFORD YOUNG Fifth District

San Bernardino County Department of Public Health
DIVISION OF ENVIRONMENTAL HEALTH SERVICES
385 North Arrowhead Avenue, San Bernardino, CA 92415-0160

① WP 1078

DO NOT FILL IN

Permit Number 205020115

Expiration 7-1-05

FF _____

FA _____

SN _____

WELL PERMIT
(Please Print)

Well No. BH-5

DO NOT FILL IN

Date 2-1-05

Amount \$ 212.-

Receipt Number 4800

Paid by Delta Environmental

1. OWNER: Name Atlantic Richfield Company
Mailing Address 4 Centerpointe Drive
City La Palma Zip _____
Site Address 1240 Washington Street
City Colton Zip _____
Telephone Number (562) 438-9871

2. WELL DRILLER: Cascade Drilling, Inc.
Business Name
Start Date _____ Completion Date _____

3. WELL USE (check):

☒ Agricultural ☐ Horizontal ☐ Test
☐ Cathodic ☒ Monitoring/Observation ☐ Dairy
☐ Ind/Domestic ☐ Community/PWS/City ☐ Other

4. TYPE OF WORK (check):

☐ New ☐ Reconstruction ☒ Destruction

Items 6 through 9 to be estimated for new wells, exact for all other wells

5. ANNUAL SEAL: Seal Depth 28 ft.
Furnished by: ☐ Owner ☒ Contractor
☐ Driven Conductor Dia. _____ in., Wall (Gage) _____
☒ Sealing Material Bentonite, Thickness 36 in.

6. DEPTH OF WELL (feet):

Proposed _____ Existing 60
DIAMETER OF BORE (in.): 8

7. CASING INSTALLED:

☐ Steel ☐ Plastic ☒ Other PVC

From (ft.)	To (ft.)	Dia. (in.)	Wall (Gage)
<u>0</u>	<u>60</u>	<u>4</u>	<u>Sch. 40</u>

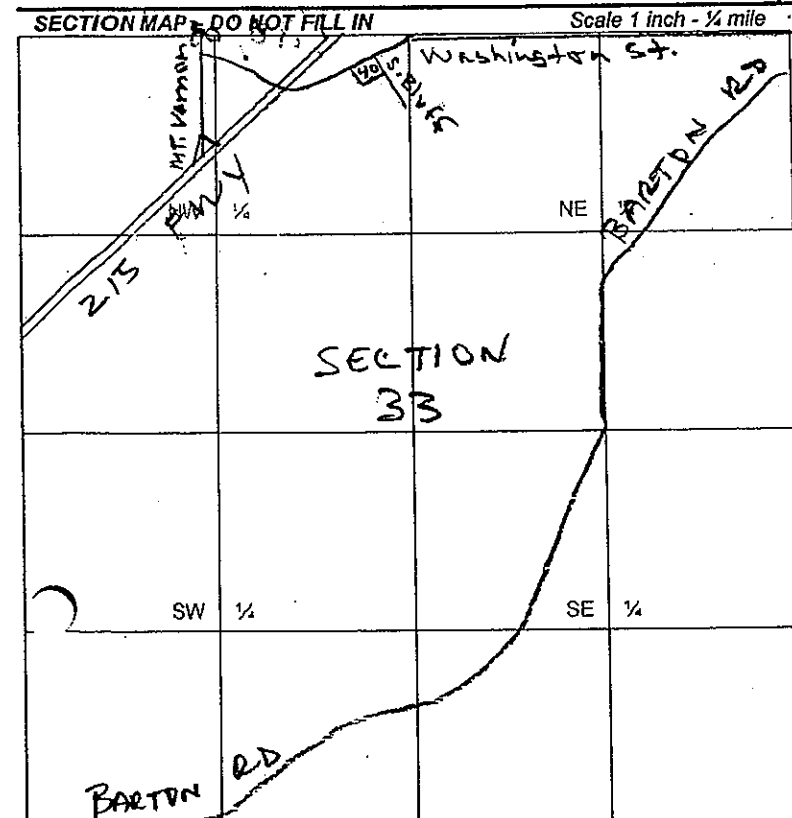
Gravel Pack: ☒ Yes ☐ No
From 25 to 28 ft.

8. PERFORATIONS (if applicable):

From 30 to 60 ft.

9. SEALED ZONES (if applicable):

From 25 to 28 ft.



10. LOCATION INFORMATION 646 F2

(a) TOWNSHIP:
Tier 1 N/S Range 4 E/W Section 33

(b) Assessor's Parcel No. 027636140

(c) Latitude and Longitude
Lat: _____ ° _____ ' _____ " N/S
Long: _____ ° _____ ' _____ " E/W

(d) Consulting Firm & Project Number:

Delta Environmental, Inc
Walter L. Gilbert, Jr. 949-860-0211

DO NOT FILL IN

Seal _____

Cap _____

Check Valve _____

Electricals _____

Stab _____

Tag _____

Building & Safety Notified _____

Assessor's Parcel No. 027636140

11. PLOT PLAN:

(a) In perspective to the well site, sketch and label the following items: well lot property lines, other wells (include abandoned wells), sewage disposal systems (sewers, septic tanks, leaching fields, seepage pits, cesspools), lakes and ponds, watercourses and animals or fowl kept.

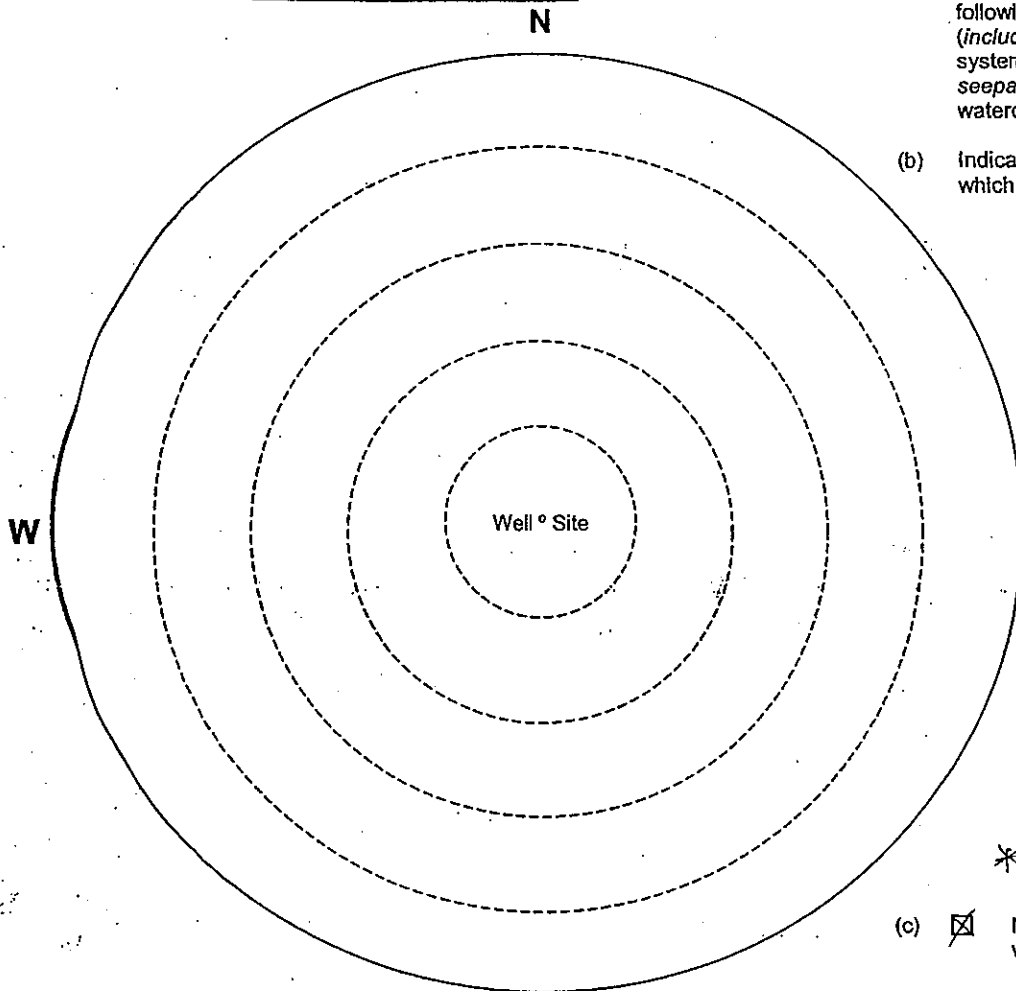
(b) Indicate the distance, in feet, of any of the following which are within 500 ft. of the well site:

Other	_____
Sewers	_____
Septic tanks	_____
Leaching fields	_____
Seepage pits	_____
Cesspools	_____
Lakes and ponds	_____
Watercourses	_____
Animal or fowl kept	_____

Solid or Liquid Disposal Site within 2 Miles: _____

**See attached Site Plan*

(c) ☒ None of the above are within 500 feet of the well site.



Scale: $\frac{1}{2}$ inch = 100 feet

12. I have read this application and agree to comply with all laws regulating the type of work being performed.

C-57 Contractor's Signature Don Kimball Date 1/28/05

County Registration No. 234 California License No. 717510

DISPOSITION OF PERMIT
(For Department Use Only)

- ☐ Sent to Water Agency for review.
☐ Water Agency conditions or recommendations attached.
☐ Denied

☒ Approved subject to the following:

A. ☒ Notify the Department, Safe Drinking Water Program, (909) 387-4666, twenty-four (24) hours in advance to make an inspection of the following operations:

- ☐ Prior to sealing of the annular space or filling of the conductor casing.
☐ After installation of the surface protective slab and pumping equipment.
☒ During destruction of wells, prior to pouring the sealing material.

B. ☒ Submit to the Department, within thirty (30) days after completion of work, a copy of:

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> Water Well Driller's Report | <input type="checkbox"/> Bacterial Analysis | <input type="checkbox"/> Inorganic Chemical Analysis |
| <input type="checkbox"/> Radiological Analysis | <input type="checkbox"/> General Mineral | <input type="checkbox"/> Organic Chemical analysis |
| | | <input type="checkbox"/> General Physical |

Comments _____

San Bernardino County Department of Public Health
DIVISION OF ENVIRONMENTAL HEALTH SERVICES
385 North Arrowhead Avenue, San Bernardino, CA 92415-0160

2WP 1079

DO NOT FILL IN
Permit Number 2005020116
Expiration 7-1-05
FF _____
FA _____
SN _____

WELL PERMIT
(Please Print)

Well No. BH-6

DO NOT FILL IN
Date 2-1-05
Amount \$ 212.00
Receipt Number 48100
Paid by Delta Environmental, Inc.

1. OWNER: Name Atlantic Richfield Company
Mailing Address 4 Centerpointe Drive
City La Palma Zip _____
Site Address 1240 Washington Street
City Colton Zip _____
Telephone Number (562) 438-3871

2. WELL DRILLER: Cascade Drilling, Inc.
Business Name
Start Date _____ Completion Date _____

3. WELL USE (check):
☐ Agricultural ☐ Horizontal ☐ Test
☐ Cathodic ☒ Monitoring/Observation ☐ Dairy
☐ Ind/Domestic ☐ Community/PWS/City ☐ Other

4. TYPE OF WORK (check):
☐ New ☐ Reconstruction ☒ Destruction

Items 6 through 9 to be estimated for new wells, exact for all other wells

5. ANNUAL SEAL: Seal Depth _____ ft.
Furnished by: ☐ Owner ☒ Contractor
☐ Driven Conductor Dia. _____ in., Wall (Gage) _____
☐ Sealing Material Bentonite, Thickness 36 in.

6. DEPTH OF WELL (feet):
Proposed _____ Existing 60
DIAMETER OF BORE (in.): 8

7. CASING INSTALLED:
☐ Steel ☐ Plastic ☒ Other PVC

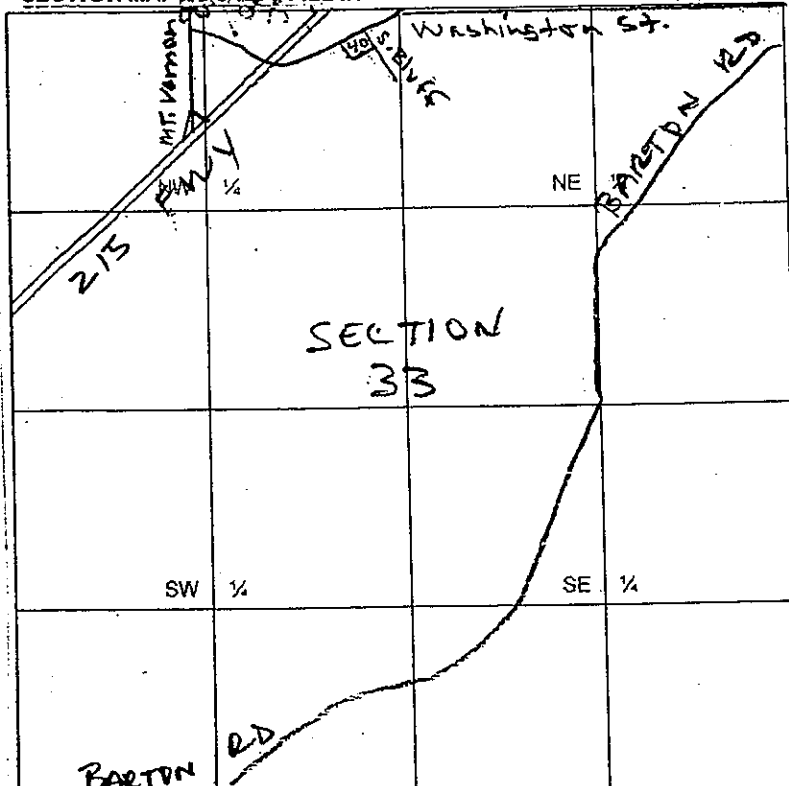
From (ft.)	To (ft.)	Dia. (in.)	Wall (Gage)
<u>0</u>	<u>60</u>	<u>4</u>	<u>sch. 40</u>

Gravel Pack: ☒ Yes ☐ No
From 25 to 28 ft.

8. PERFORATIONS (if applicable):
From 30 to 60 ft.

9. SEALED ZONES (if applicable):
From 25 to 28 ft.

SECTION MAP DO NOT FILL IN Scale 1 inch = 1/4 mile



10. LOCATION INFORMATION 646 F2
(a) TOWNSHIP: Tier 1 N/S Range 4 E/W Section 33
(b) Assessor's Parcel No. 027636140
(c) Latitude and Longitude
Lat: _____ ° _____ ' _____ " N/S
Long: _____ ° _____ ' _____ " E/W
(d) Consulting Firm & Project Number:

Delta Environmental, Inc.
Walter L Gilbert, Jr. 949-860-02

DO NOT FILL IN
Seal _____
Cap _____
Check Valve _____
Electricals _____
Stab _____
Tag _____
Building & Safety Notified _____

Assessor's Parcel No. 027636140

11. PLOT PLAN:

(a) In perspective to the well site, sketch and label the following items: well lot property lines, other wells (include abandoned wells), sewage disposal systems (sewers, septic tanks, leaching fields, seepage pits, cesspools), lakes and ponds, watercourses and animals or fowl kept.

(b) Indicate the distance, in feet, of any of the following which are within 500 ft. of the well site:

Other	_____
Sewers	_____
Septic tanks	_____
Leaching fields	_____
Seepage pits	_____
Cesspools	_____
Lakes and ponds	_____
Watercourses	_____
Animal or fowl kept	_____

Solid or Liquid Disposal Site within 2 Miles: _____

* See attached site plan

(c) ☒ None of the above are within 500 feet of the well site.

W

N

Well Site

E

S

Scale: 1/2 inch = 100 feet

12. I have read this application and agree to comply with all laws regulating the type of work being performed.

C-57 Contractor's Signature _____

Date 1/28/05

County Registration No. 234

California License No. 717510

DISPOSITION OF PERMIT

(For Department Use Only)

- ☐ Sent to Water Agency for review.
☐ Water Agency conditions or recommendations attached.
☐ Denied

☒ Approved subject to the following:

A. ☒ Notify the Department, Safe Drinking Water Program, (909) 387-4666, twenty-four (24) hours in advance to make an inspection of the following operations:

- ☐ Prior to sealing of the annular space or filling of the conductor casing.
☐ After installation of the surface protective slab and pumping equipment.
☒ During destruction of wells, prior to pouring the sealing material.

B. ☒ Submit to the Department, within thirty (30) days after completion of work, a copy of:

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> Water Well Driller's Report | <input type="checkbox"/> Bacterial Analysis | <input type="checkbox"/> Inorganic Chemical Analysis |
| <input type="checkbox"/> Radiological Analysis | <input type="checkbox"/> General Mineral | <input type="checkbox"/> Organic Chemical analysis |
| | | <input type="checkbox"/> General Physical |

Comments _____

San Bernardino County Department of Public Health
DIVISION OF ENVIRONMENTAL HEALTH SERVICES
385 North Arrowhead Avenue, San Bernardino, CA 92415-0160

③ WP 108X

DO NOT FILL IN

Permit Number 2005020117

Expiration 7-1-08

FF _____

FA _____

SN _____

WELL PERMIT
(Please Print)

Well No. BH-7

DO NOT FILL IN

Date 2-1-05

Amount \$ 212.1

Receipt Number 48100

Paid by Delta Environmental

1. OWNER: Name Atlantic Richfield Company

Mailing Address 4 Centerville Drive

City La Palma Zip _____

Site Address 1240 Washington Street

City Colton Zip _____

Telephone Number (562) 438-3871

Items 6 through 9 to be estimated for new wells, exact for all other wells

5. ANNUAL SEAL: Seal Depth 28 ft.

Furnished by: ☐ Owner ☒ Contractor

☐ Driven Conductor Dia. _____ in., Wall (Gage) _____

☐ Sealing Material Bentonite, Thickness 36 in.

6. DEPTH OF WELL (feet):

Proposed _____ Existing 60

DIAMETER OF BORE (in.): 8

7. CASING INSTALLED:

☐ Steel ☐ Plastic ☒ Other PVC

From (ft.)	To (ft.)	Dia. (in.)	Wall (Gage)
<u>0</u>	<u>60</u>	<u>4</u>	<u>Sch. 40</u>

Gravel Pack: ☒ Yes ☐ No

From 25 to 28 ft.

8. PERFORATIONS (if applicable):

From 30 to 60 ft.

9. SEALED ZONES (if applicable):

From 25 to 28 ft.

2. WELL DRILLER: Cascade Drilling, Inc.

Business Name

Start Date _____ Completion Date _____

3. WELL USE (check):

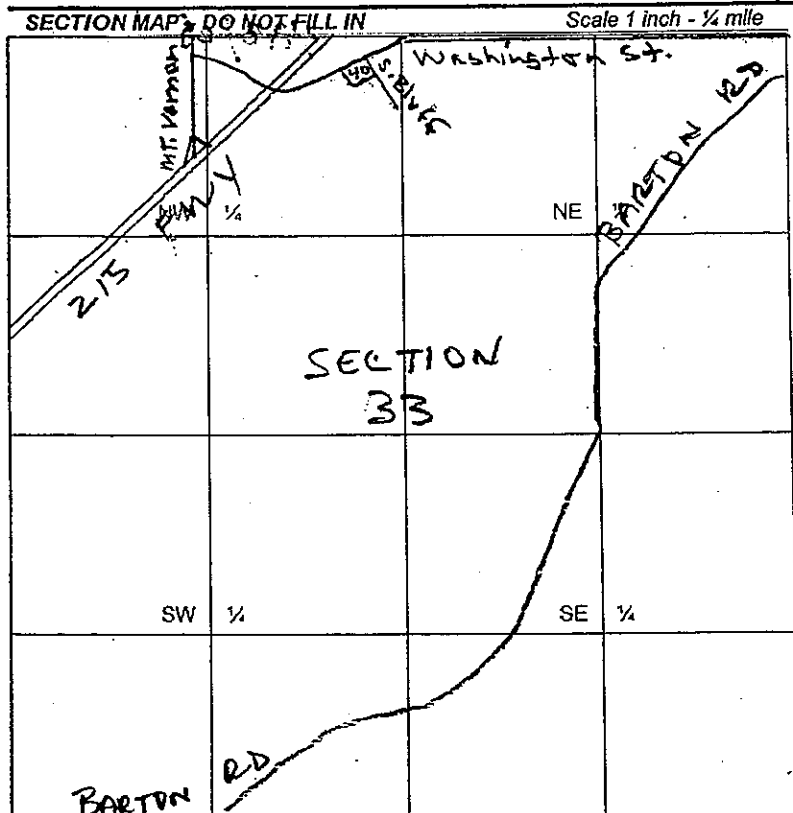
☐ Agricultural ☐ Horizontal ☐ Test

☐ Cathodic ☒ Monitoring/Observation ☐ Dairy

☐ Ind/Domestic ☐ Community/PWS/City ☐ Other

4. TYPE OF WORK (check):

☐ New ☐ Reconstruction ☒ Destruction



10. LOCATION INFORMATION 646 F2

(a) TOWNSHIP: Tier 1 N/S Range 4 E/W Section 33

(b) Assessor's Parcel No. 027636140

(c) Latitude and Longitude

Lat: _____ ° _____ ' _____ " N/S

Long: _____ ° _____ ' _____ " E/W

(d) Consulting Firm & Project Number:

Delta Environmental, Inc.

Walter L. Gilbert, Jr. 949-860-0211

DO NOT FILL IN

Seal _____

Cap _____

Check Valve _____

Electricals _____

Stab _____

Tag _____

Building & Safety Notified _____

Assessor's Parcel No. 027636140

11. PLOT PLAN:

(a) In perspective to the well site, sketch and label the following items: well lot property lines, other wells (include abandoned wells), sewage disposal systems (sewers, septic tanks, leaching fields, seepage pits, cesspools), lakes and ponds, watercourses and animals or fowl kept.

(b) Indicate the distance, in feet, of any of the following which are within 500 ft. of the well site:

Other	_____
Sewers	_____
Septic tanks	_____
Leaching fields	_____
Seepage pits	_____
Cesspools	_____
Lakes and ponds	_____
Watercourses	_____
Animal or fowl kept	_____

Solid or Liquid Disposal Site within 2 Miles: _____

* See attached site Plan

(c) ☒ None of the above are within 500 feet of the well site.

Scale: $\frac{1}{2}$ inch = 100 feet

12. I have read this application and agree to comply with all laws regulating the type of work being performed.

C-57 Contractor's Signature _____

Date 1/28/05

County Registration No. 234

California License No. 717510

DISPOSITION OF PERMIT
(For Department Use Only)

- ☐ Sent to Water Agency for review.
☐ Water Agency conditions or recommendations attached.
☐ Denied
☒ Approved subject to the following:

A. ☒ Notify the Department, Safe Drinking Water Program, (909) 387-4666, twenty-four (24) hours in advance to make an inspection of the following operations:

- ☐ Prior to sealing of the annular space or filling of the conductor casing.
☐ After installation of the surface protective slab and pumping equipment.
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B. ☒ Submit to the Department, within thirty (30) days after completion of work, a copy of:

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|---|---|--|
| <input checked="" type="checkbox"/> Water Well Driller's Report | <input type="checkbox"/> Bacterial Analysis | <input type="checkbox"/> Inorganic Chemical Analysis |
| <input type="checkbox"/> Radiological Analysis | <input type="checkbox"/> General Mineral | <input type="checkbox"/> Organic Chemical analysis |
| | | <input type="checkbox"/> General Physical |

Comments _____

San Bernardino County Department of Public Health
DIVISION OF ENVIRONMENTAL HEALTH SERVICES
385 North Arrowhead Avenue, San Bernardino, CA 92415-0160

④ WP 109

DO NOT FILL IN

Permit Number 2005020118
Expiration 7-1-05
FF _____
FA _____
SN _____

WELL PERMIT
(Please Print)

Well No. BH-8

DO NOT FILL IN

Date 2-1-05
Amount \$ 212.-
Receipt Number 48100
Paid by Delta Environmental

1. OWNER: Name Atlantic Richfield Company
Mailing Address 4 Centerpointe Drive
City La Palma Zip _____
Site Address 1240 Washington Street
City Colton Zip _____
Telephone Number (562) 438-3871

2. WELL DRILLER: Cascad Drilling, Inc
Business Name
Start Date _____ Completion Date _____

3. WELL USE (check):
☐ Agricultural ☐ Horizontal ☐ Test
☐ Cathodic ☒ Monitoring/Observation ☐ Dairy
☐ Ind/Domestic ☐ Community/PWS/City ☐ Other

4. TYPE OF WORK (check):
☐ New ☐ Reconstruction ☒ Destruction

Items 6 through 9 to be estimated for new wells, exact for all other wells

5. ANNUAL SEAL: Seal Depth 28 ft.
Furnished by: ☐ Owner ☒ Contractor
☐ Driven Conductor Dia. _____ in., Wall (Gage) _____
☐ Sealing Material Bentonite, Thickness 36 in.

6. DEPTH OF WELL (feet):
Proposed _____ Existing 65
DIAMETER OF BORE (in.): 10

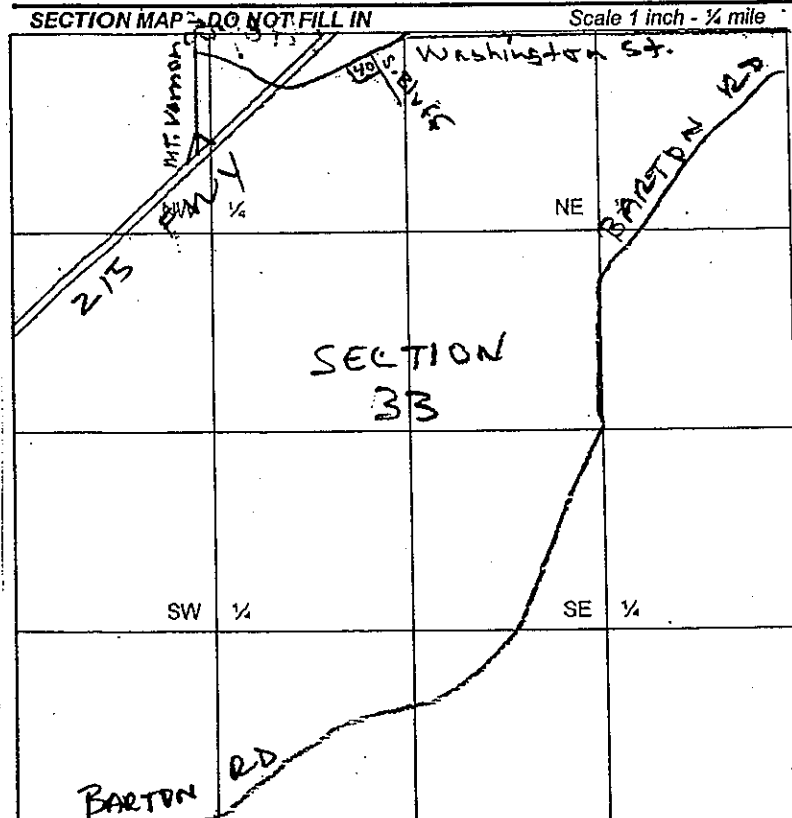
7. CASING INSTALLED:
☐ Steel ☐ Plastic ☒ Other PVC

From (ft.)	To (ft.)	Dia. (in.)	Wall (Gage)
<u>0</u>	<u>65</u>	<u>4</u>	<u>Sch. 40</u>

Gravel Pack: ☒ Yes ☐ No
From 25 to 28 ft.

8. PERFORATIONS (if applicable):
From 30 to 65 ft.

9. SEALED ZONES (if applicable):
From 25 to 28 ft.



10. LOCATION INFORMATION 646 F2
(a) TOWNSHIP: Tier 1 N/S Range 4 E/W Section 33
(b) Assessor's Parcel No. 027636140
(c) Latitude and Longitude
Lat: _____ ° _____ ' _____ " N/S
Long: _____ ° _____ ' _____ " E/W
(d) Consulting Firm & Project Number:

Delta Environmental, Inc
Walter L. Gilbert, Jr. 949-860-021

DO NOT FILL IN

Seal _____
Cap _____
Check Valve _____
Electricals _____
Stab _____
Tag _____
Building & Safety Notified _____

Assessor's Parcel No. 027636140

11. PLOT PLAN:

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Sewers	_____
Septic tanks	_____
Leaching fields	_____
Seepage pits	_____
Cesspools	_____
Lakes and ponds	_____
Watercourses	_____
Animal or fowl kept	_____

Solid or Liquid Disposal Site within 2 Miles: _____

* See attached site plan

- (c) ☒ None of the above are within 500 feet of the well site.

Scale: 1/2 inch = 100 feet

12. I have read this application and agree to comply with all laws regulating the type of work being performed.

C-57 Contractor's Signature Don Kinloch Date 1/20/05

County Registration No. 234 California License No. 717510

DISPOSITION OF PERMIT
(For Department Use Only)

- ☐ Sent to Water Agency for review.
☐ Water Agency conditions or recommendations attached.
☐ Denied
☒ Approved subject to the following:

A. ☒ Notify the Department, Safe Drinking Water Program, (909) 387-4666, twenty-four (24) hours in advance to make an inspection of the following operations:

- ☐ Prior to sealing of the annular space or filling of the conductor casing.
☐ After installation of the surface protective slab and pumping equipment.
☒ During destruction of wells, prior to pouring the sealing material.

B. ☒ Submit to the Department, within thirty (30) days after completion of work, a copy of:

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> Water Well Driller's Report | <input type="checkbox"/> Bacterial Analysis | <input type="checkbox"/> Inorganic Chemical Analysis |
| <input type="checkbox"/> Radiological Analysis | <input type="checkbox"/> General Mineral | <input type="checkbox"/> Organic Chemical analysis |
| | | <input type="checkbox"/> General Physical |

Comments _____

San Bernardino County Department of Public Health
DIVISION OF ENVIRONMENTAL HEALTH SERVICES
385 North Arrowhead Avenue, San Bernardino, CA 92415-0160

5 1085

DO NOT FILL IN
Permit Number 2005020119
Expiration 7-1-05
FF _____
FA _____
SN _____

WELL PERMIT
(Please Print)

Well No. B-11/MW-1

DO NOT FILL IN
Date 2-1-05
Amount \$ 212.-
Receipt Number 48100
Paid by Delta Environmental

1. OWNER: Name Atlantic Richfield Company
Mailing Address 4 Centerpointe Drive
City La Palma Zip _____
Site Address 1240 Washington Street
City Colton Zip _____
Telephone Number (562) 438-3871

2. WELL DRILLER: Cascade Drilling, Inc.
Business Name
Start Date _____ Completion Date _____

3. WELL USE (check):
☐ Agricultural ☐ Horizontal ☐ Test
☐ Cathodic ☒ Monitoring/Observation ☐ Dairy
☐ Ind/Domestic ☐ Community/PWS/City ☐ Other

4. TYPE OF WORK (check):
☐ New ☐ Reconstruction ☒ Destruction

Items 6 through 9 to be estimated for new wells, exact for all other wells

5. ANNUAL SEAL: Seal Depth 28 ft.
Furnished by: ☐ Owner ☒ Contractor
☐ Driven Conductor Dia. _____ in., Wall (Gage) _____
☐ Sealing Material Bentonite, Thickness 36 in.

6. DEPTH OF WELL (feet):
Proposed _____ Existing 75
DIAMETER OF BORE (in.): 10

7. CASING INSTALLED:
☐ Steel ☐ Plastic ☒ Other PVC

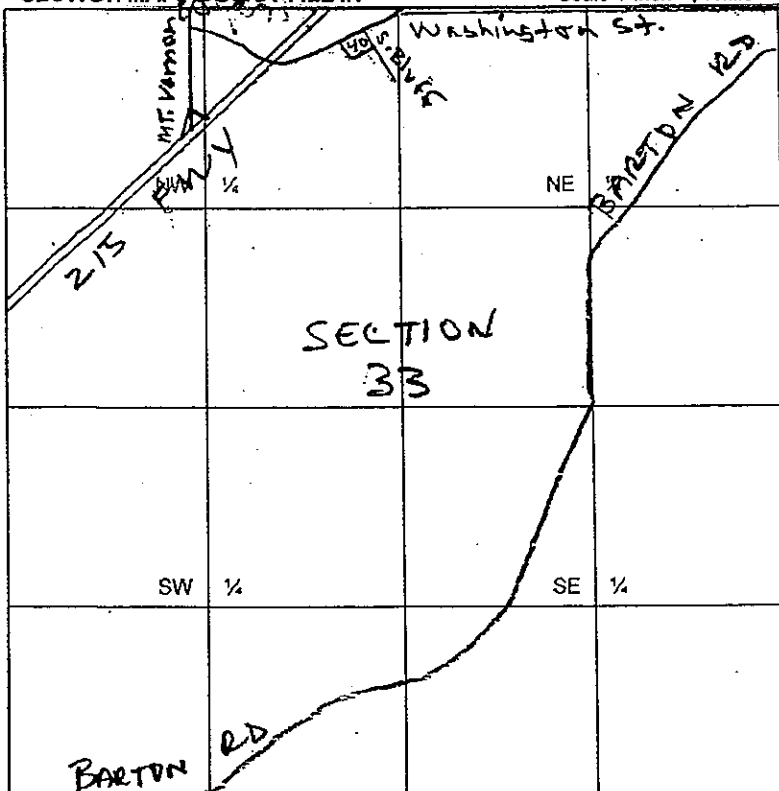
From (ft.)	To (ft.)	Dia. (in.)	Wall (Gage)
<u>0</u>	<u>75</u>	<u>4</u>	<u>Sch. 40</u>

Gravel Pack: ☒ Yes ☐ No
From 25 to 28 ft.

8. PERFORATIONS (if applicable):
From 30 to 75 ft.

9. SEALED ZONES (if applicable):
From 25 to 28 ft.

SECTION MAP, DO NOT FILL IN Scale 1 inch = 1/4 mile



10. LOCATION INFORMATION 646 F2
(a) TOWNSHIP:
Tier 1 N/S Range 4 EW Section 33
(b) Assessor's Parcel No. 027636140
(c) Latitude and Longitude
Lat: _____ ° _____ ' _____ " N/S
Long: _____ ° _____ ' _____ " EW
(d) Consulting Firm & Project Number:

Delta Environmental Consultants, Inc.
Walter L. Gilbert, Sr. 949-860-0

DO NOT FILL IN
Seal _____
Cap _____
Check Valve _____
Electricals _____
Stab _____
Tag _____
Building & Safety Notified _____

Assessor's Parcel No. 027636140

11. PLOT PLAN:

- (a) In perspective to the well site, sketch and label the following items: well lot property lines, other wells (include abandoned wells), sewage disposal systems (sewers, septic tanks, leaching fields, seepage pits, cesspools), lakes and ponds, watercourses and animals or fowl kept.
- (b) Indicate the distance, in feet, of any of the following which are within 500 ft. of the well site:

Other	_____
Sewers	_____
Septic tanks	_____
Leaching fields	_____
Seepage pits	_____
Cesspools	_____
Lakes and ponds	_____
Watercourses	_____
Animal or fowl kept	_____

Solid or Liquid Disposal Site within 2 Miles: _____

**See attached site plan*

- (c) ☒ None of the above are within 500 feet of the well site.

Scale: $\frac{1}{2}$ inch = 100 feet

12. I have read this application and agree to comply with all laws regulating the type of work being performed.

C-57 Contractor's Signature

Don Kimbosh

Date

1/28/05

County Registration No.

234

California License No.

717510

DISPOSITION OF PERMIT
(For Department Use Only)

- ☐ Sent to Water Agency for review.
- ☐ Water Agency conditions or recommendations attached.
- ☐ Denied
- ☒ Approved subject to the following:

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Comments _____